CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory
An ISO 9001:2008 Certified Company
NABL - Accredited Laboratory as per ISO / IEC-17025 : 2005

BSCIC ISO 9001 REGISTERED

No.: CTCE/BBMP/PSG/W.No.01/Steel/2018-19

31.05.2018

TEST REPORT ON REINFORCEMENT STEEL

* Customer	:	**Asst. Executive Engineer,** Yelahanka Sub Division, BBMP, Bangalore.
* Agency	:	**Mr. P. Shekar Gowda,** No.152, 2nd Block, 3rd Stage, S.G. Halli. Basaveshwaranagara, Bangalore.
* Name of work	:	Improvements to roads and drains at Yelahanka old town and Vinayaka layout surrounding in Ward No. 01 of Yelahanka Sub Division, BBMP, Bangalore.
* Reference	:	AEE/BBMP/YSD/AE-1/162/2018-19 Dated: 29.05.2018
* Samples ID	:	10 mm Bar
Technical Reference	:	IS: 1786-2008
Date of Testing	:	31.05.2018

Sl No	Nominal size (dia) (mm)	Mass per metre (Kg/mtr)	TENSILE STRENGTH			Bend Test	Rebend Test
			0.20% proof stress/Yield stress N/mm2	Tensile strength (Ultimate stress) N/mm2	Elongation percent gauge length		
1	10	0.62	514	555	13.2	O.K	O.K

*Information is furnished by the Customer/Representative.

Civil-Tech Consultants & Engineers Bangalore

Note:

⇒The report shall not be reproduced, except in full, without the written approval of the laboratory.

⇒The results indicated above are based on the tests carried out on the samples received in the laboratory.

⇒Any Query regarding the report must be reported within 30 days from the date of testing.

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Civil-tech Consultants & Engineers
#23/14, 7th Cross. 3rd Stage 4th Block,
Shakthi Ganapathinagar,
Basaveshwaranagar, Bangalore-560 079.

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31.05.2018

TEST REPORT ON REINFORCEMENT STEEL

* Customer	:	**Asst. Executive Engineer,** Yelahanka Sub Division, BBMP, Bangalore.
* Agency	:	**Mr. P. Shekar Gowda,** No.152, 2nd Block, 3rd Stage, S.G. Halli. Basaveshwaranagara, Bangalore.
* Name of work	:	Improvements to roads and drains at Yelahanka old town and Vinayaka layout surrounding in Ward No. 01 of Yelahanka Sub Division, BBMP, Bangalore.
* Reference	:	AEE/BBMP/YSD/AE-1/162/2018-19 Dated: 29.05.2018
* Samples ID	:	8mm Bar
Technical Reference	:	IS: 1786-2008
Date of Testing	:	31.05.2018

Sl No	Nominal size (dia) (mm)	Mass per metre (Kg/mtr)	TENSILE STRENGTH			Bend Test	Rebend Test
			0.20% proof stress/Yield stress N/mm2	Tensile strength (Ultimate stress) N/mm2	Elongation percent gauge length		
1	8	0.39	511	552	13.1	O.K	O.K

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T-2377

No: CTCE/BBMP/PSG/W.No.01/CSR-05/657/AGG/GR/2018-19

30.05.2018

TEST REPORT ON SIEVE ANALYSIS OF COARSE AGGREGATES

* Customer	:	**Asst. Executive Engineer,** Yelahanka Sub Division, BBMP, Bangalore.
* Agency	:	**Mr. P. Shekar Gowda,** No.152, 2nd Block, 3rd Stage, S.G. Halli. Basaveshwaranagara, Bangalore.
* Name of Work	:	Improvements to roads and drains at Yelahanka old town and Vinayaka layout surrounding in Ward No. 01 of Yelahanka Sub Division, BBMP, Bangalore.
* Reference	:	AEE/BBMP/YSD/AE-1/162/2018-19 Dated: 29.05.2018
* Sample ID	:	Coarse Aggregates (40mm)
Technical Reference	:	IS : 2386 (Part 1) -1963 (RA-2011)
Sample Received on	:	29.05.2018
Date of Testing	:	30.05.2018

Total Wt. of Aggregates in gms= **5000**

IS Sieve Size in mm	Cumulative Weight Passing in %	Specific Limits as per IS 383-1970 (RA- 2011)	
		Graded	Single Sized
80	100	100	-
63	100	-	100
40	97.74	95-100	85-100
20	38.74	30-70	0-20
10	14.10	10-35	0-5
4.75	4.10	0-5	-

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* Information is furnished by the Customer/Representative

Remarks : This sample is under graded specific limits.

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AE-1

VIDYARANI P.K.
Technical Manager

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#23/14, 7th Cross, 3rd Stage, 4th Block, Shakthi Ganapathi Nagara, Basaveshwaranagara, Bangalore-79.
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T-2377

No. CTCE/BBMP/PSG/W.No.01/CSR-05/657/SAND-Gradation/2018-19

30.05.2018

TEST REPORT ON SIEVE ANALYSIS OF FINE AGGREGATES

* Customer	: **Asst. Executive Engineer,** Yelahanka Sub Division, BBMP, Bangalore.
* Agency	: **Mr. P. Shekar Gowda,** No.152, 2nd Block, 3rd Stage, S.G. Halli. Basaveshwaranagara, Bangalore.
* Name of Work	: Improvements to roads and drains at Yelahanka old town and Vinayaka layout surrounding in Ward No. 01 of Yelahanka Sub Division, BBMP, Bangalore.
* Reference	: AEE/BBMP/YSD/AE-1/162/2018-19 Dated: 29.05.2018
* Sample ID	: Fine Aggregates
Technical Reference	: IS : 2386 (Part 1) - 1963 (RA-2007)
Sample Received On	: 29.05.2018
Date of Testing	: 30.05.2018

Total Wt. of Aggregates in gms = **1000**

IS Sieve Size in mm	Cumulative Weight Passing in %	Specific Limits as per IS 383-1970 (RA- 2007)			
		Zone-I	Zone-II	Zone-III	Zone-IV
10	100	100	100	100	100
4.75	98.80	90-100	90-100	90-100	95-100
2.36	79.80	60-95	75-100	85-100	95-100
1.18	60.20	30-70	55-90	75-100	90-100
600 Micron	41.70	15-34	35-59	60-79	80-100
300 Micron	18.20	5-20	8-30	12-40	15-50
150 Micron	6.20	0-10	0-10	0-10	0-15

* Information is furnished by the Customer/Representative

Remarks : This sample is under Zone-II specific limits.

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Job No.: CTCE/BBMP/PSG/W.No.01/CSR-05/657/CEMENT/2018-19 Date: 30.05.2018

TEST REPORT ON CEMENT

*** Customer**	:	**Asst. Executive Engineer,** Yelahanka Sub Division, BBMP, Bangalore.
*** Agency**	:	**Mr. P. Shekar Gowda,** No.152, 2nd Block, 3rd Stage, S.G. Halli. Basaveshwaranagara, Bangalore.
*** Name of Work**	:	Improvements to roads and drains at Yelahanka old town and Vinayaka layout surrounding in Ward No. 01 of Yelahanka Sub Division, BBMP, Bangalore.
*** Reference**	:	AEE/BBMP/YSD/AE-1/162/2018-19 Dated: 29.05.2018
*** Sample ID**	:	Cement
Sample Received on	:	29.05.2018
Period of Testing	:	29.05.2018 to 30.05.2018

The results of the tests conducted on the cement sample are as follows:

Sl. No	Descriptions	Test Method as per IS	Test Result	Requirements as per IS: 8112-2013
1	Standard Consistency	IS-4031 (Part -4) 1988 (RA-2009)	28.50 %	-
2	a) Initial Setting Time	IS-4031 (Part -5) 1988 (RA-2009)	175 Minutes	Not Less than 30 Minutes
	b) Final Setting Time	IS-4031 (Part -5) 1988 (RA-2009)	490 Minutes	Not More than 600 Minutes
3	Soundness by Le Chartlier Method	IS-4031 (Part-3) 1988 (RA-2009)	1 mm	Not more than 10mm

*Information is furnished by the Customer/Representative.

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